

Abstract of the Disclosure

5 A face sealing fitting includes two connectable
tubular elements each having an annular end formation
and a metal gasket including an outer annular section
with a first axial dimension, an inner annular section
concentric with the outer annular section and having
a smaller axial dimension, and a tapered section
having bevel faces between the inner and outer annular
sections. Portions of the annular end formations
10 which project axially the farthest beyond the tubular
elements have a diameter substantially equal to the
inner diameter of the inner annular gasket section and
lie along the inner surface of the tubular elements to
minimize dead volumes along the flowpath through the
15 fitting.)

In some embodiments, the fitting is tightened
from a first position, in which the inner diameter of
the gasket is smaller than the inner diameter of the
first and second tubular elements, to a second
20 position, in which the inner diameter of the tubular
gasket is equal to the inner diameter of the first and
second tubular elements. In the second position, the
fitting is in an optimal sealing condition, and there
is zero dead volume in the flowpath.

